

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("0806721").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/19 16:06
L2	202	403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:51
L3	419	403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:52
L4	299	256/12.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:52
L5	288	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:52
L6	79	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:53
L7	390	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:53
L8	587	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:53
L9	415	256/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:54

## EAST Search History

L10	345	256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:54
L11	129	256/55.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:54
L12	470	52/665.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:54
S1	196	403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/19 16:50
S2	407	403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 14:58
S3	395	403/400.ccls. not 403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 14:34
S4	462	52/665.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:10
S5	445	(52/665.ccls. not 403/346.ccls.) not 403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 14:58
S6	283	256/12.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:35
S7	259	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:36

## EAST Search History

S8	74	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:46
S9	249	(256/32.ccls. not 256/12.5.ccls.) not 256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:39
S10	375	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:51
S11	344	((256/47.ccls. not 256/12.5.ccls.) not 256/32.ccls.) not 256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:46
S12	585	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:51
S13	537	((((256/48.ccls. not 256/12.5.ccls.) not 256/32.ccls.) not 256/33.ccls.) not 256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/01 15:52
S14	415	256/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 14:08
S15	259	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 13:45
S16	74	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 13:45
S17	375	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 13:45

## EAST Search History

S18	585	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 13:45
S19	381	((((256/52).CCLS.) not ((256/32). CCLS.)) not ((256/33).CCLS.)) not ((256/47).CCLS.)) not 256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 13:45
S20	345	256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 14:15
S21	275	(((US-3173662-A.DID. not ((256/52).CCLS.)) not ((256/32). CCLS.)) not ((256/47).CCLS.)) not 256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 14:09
S22	129	256/55.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 14:15
S23	107	(((US-3531090-A.DID. not ((256/52).CCLS.)) not ((256/32). CCLS.)) not ((256/47).CCLS.)) not ((256/48).CCLS.)) not 256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 14:16
S24	8	(("2079034") or ("6347903")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/02 16:21
S25	2	jp-2000178925-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 16:22
S26	0	"2000178925".URPN.	USPAT	OR	ON	2004/11/02 16:22
S27	0	"2000178925".URPN.	USPAT	OR	ON	2004/11/02 16:22
S28	0	"615304".URPN.	USPAT	OR	ON	2004/11/02 16:23

## EAST Search History

S29	21	("0977704"   "1646587"   "1781458"   "2894773"   "3243151"   "3591163"   "4148456"   "4492507"   "4719672"   "4732371"   "4974381"   "4998691"   "5111770"   "5274888"   "5468092"   "5823147"   "5878546"   "5961248"   "5971654"   "6009680"   "6227757").PN.	USPAT	OR	ON	2004/11/02 16:23
S30	3	"6347904".URPN.	USPAT	OR	ON	2004/11/02 16:25
S31	0	"6347903".URPN.	USPAT	OR	ON	2004/11/02 16:26
S32	23	("0977704"   "1512763"   "1646587"   "1781458"   "2894773"   "3243151"   "3591163"   "4096680"   "4148456"   "4641991"   "4719672"   "4732371"   "4998691"   "5111770"   "5274888"   "5468092"   "5542228"   "5823147"   "5878546"   "5961248"   "5971654"   "6009680"   "6227757").PN.	USPAT	OR	ON	2004/11/02 16:26
S33	5	"2929121".URPN.	USPAT	OR	ON	2004/11/02 16:28
S34	1	"2079034".URPN.	USPAT	OR	ON	2004/11/02 16:28
S35	7	"1781458".URPN.	USPAT	OR	ON	2004/11/02 16:29
S36	0	"20040149976".URPN.	USPAT	OR	ON	2004/11/02 16:31
S37	1	"506259".URPN.	USPAT	OR	ON	2004/11/02 16:31
S38	3	"505810".URPN.	USPAT	OR	ON	2004/11/02 16:31
S39	0	"806721".URPN.	USPAT	OR	ON	2004/11/02 16:32
S40	0	"716723".URPN.	USPAT	OR	ON	2004/11/02 16:32
S41	1	"645037".URPN.	USPAT	OR	ON	2004/11/02 16:33
S42	0	"631284".URPN.	USPAT	OR	ON	2004/11/02 16:33
S43	2	"536488".URPN.	USPAT	OR	ON	2004/11/02 16:33
S44	0	"2000178925".URPN.	USPAT	OR	ON	2004/11/02 16:34
S45	10	(US-6347904-\$ or US-6347903-\$ or US-6227757-\$ or US-5435524-\$ or US-4475843-\$).did. or (US-20040149976-\$).did. or (JP-06173221-\$ or JP-06057712-\$ or JP-2000178925-\$).did. or (US-6347903-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/11/02 16:58

## EAST Search History

S46	12	(US-0615304-\$ or US-0595196-\$ or US-2929121-\$ or US-2079034-\$ or US-1781458-\$ or US-2929121-\$ or US-0506259-\$ or US-0505810-\$ or US-0806721-\$ or US-0716723-\$ or US-0645037-\$ or US-0631284-\$ or US-0536488-\$ or US-2079034-\$ or US-1781458-\$).did.	USOCR	OR	OFF	2004/11/02 16:58
S47	1	((US-0615304-\$ or US-0595196-\$ or US-2929121-\$ or US-2079034-\$ or US-1781458-\$ or US-2929121-\$ or US-0506259-\$ or US-0505810-\$ or US-0806721-\$ or US-0716723-\$ or US-0645037-\$ or US-0631284-\$ or US-0536488-\$ or US-2079034-\$ or US-1781458-\$).did.) and rivet\$3	USOCR	OR	ON	2004/11/02 16:59
S48	1	((US-6347904-\$ or US-6347903-\$ or US-6227757-\$ or US-5435524-\$ or US-4475843-\$).did. or (US-20040149976-\$).did. or (JP-06173221-\$ or JP-06057712-\$ or JP-2000178925-\$).did. or (US-6347903-\$).did.) and rivet\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/11/02 17:00
S49	287	256/12.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:06
S50	270	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:06
S51	75	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:07
S52	382	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:07
S53	586	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:08

## EAST Search History

S54	415	256/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:08
S55	345	256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:08
S56	129	256/55.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:08
S57	467	52/665.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:09
S58	198	403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:09
S59	411	403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 14:09
S60	0	("615304").URPN.	USPAT	OR	ON	2005/07/19 15:20
S61	3	"1781458".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 15:46
S62	238	29/243.58.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:25
S63	2031	29/509.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:28

## EAST Search History

S64	669	29/513.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:28
S65	388	72/306.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:29
S66	158	403/278.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:29
S67	202	403/279.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:30
S68	735	296/29.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:30
S69	490	296/191.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:31
S70	235	296/146.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/19 18:31
S71	0	("2005/0102817").URPN.	USPAT	OR	ON	2005/07/19 18:33
S72	291	256/12.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:17
S73	278	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:17



## EAST Search History

S74	76	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:18
S75	386	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:18
S76	587	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:19
S77	415	256/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:19
S78	345	256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:20
S79	129	256/55.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:20
S80	467	52/665.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:22
S81	200	403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:22
S82	412	403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 13:22
S83	3	("1781458").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/01 13:25

## EAST Search History

S85	298	256/12.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:26
S87	285	256/32.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:26
S88	78	256/33.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:26
S89	386	256/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:27
S90	587	256/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:27
S91	415	256/52.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:27
S92	345	256/54.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:28
S93	129	256/55.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:28
S94	468	52/665.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:28
S95	202	403/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:29

## EAST Search History

S96	418	403/400.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:29
S97	3	"1781458".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 16:31
S98	0	("615304").URPN.	USPAT	OR	ON	2006/09/14 12:08
S99	0	("806721").URPN.	USPAT	OR	ON	2006/09/14 12:08
S10 0	4	((("6450782") or ("4739206"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/14 15:50